

Training School Programme

*Evidence synthesis, meta-analysis, and emerging AI-supported methodologies for *Pneumocystis* research.*

22-23 June 2026, Hybrid Format

Trainer: Dr Antonio Vallejo-Vaz

Coordinator: Prof. Enrique Calderón (Chair, COST Action CA23142)

Day 1 — 22 June 2026 (10-12h)

Foundations of Evidence Synthesis and AI Applications

10:00 – 10:15

Welcome and Introduction

- Overview of the Training School objectives
- Why evidence synthesis matters in *Pneumocystis* research

10:15 – 10:45

Systematic Reviews and Scoping Reviews

- Key concepts and differences
- Formulating research questions
- PRISMA framework and study selection

10:45 – 12:00

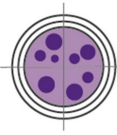
Practical Session / Case Example

- Example applied to *Pneumocystis* research
- Interactive discussion

12:00

Networking Coffee Break (*Ilundain Cafetería & Restaurante*)

Courtesy of COST Action CA23142



Day 2 — 23 June 2026 (12-14h)

Introduction to Meta-analysis and Practical Applications

12:00 – 12:30

Introduction to Meta-analysis and Meta-analysis Methods

- Why meta-analysis?
- Basic concepts and interpretation Effect measures
- Heterogeneity
- Forest plots and interpretation

12:30 – 13:00

Practical Case Studies and Applications

- Real examples in *Pneumocystis* research
- Discussion of methodological challenges

13:00 – 13:50

Emerging Digital and AI-Supported Approaches for Research

- Opportunities and challenges of AI-assisted methodologies
- Methodological considerations, and limitations

13:50 – 14:00

Final Discussion and Questions

- Future opportunities for collaborative research
- Closing remarks

14:00

Networking Lunch (*Ilundain Cafetería & Restaurante*)

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